AMENDMENT TO THE CLAIMS

LISTING OF CLAIMS

1. (Currently Amended) A method ~~for installing software to software-defined radio equipment~~ comprising ~~the steps of~~:

transferring, via radio frequency (RF) communication, software directly to a software-defined radio device from a software server to create transferred software, said software server remotely located with respect to said software-defined radio device[[;]], wherein ~~storing~~ said transferred software is stored to at least a portion of a data store associated with said software- defined radio device; and, ~~, said portion of said data store not being used as a storage for currently running software~~;

sending an instruction via RF communication directly to said software- defined radio device identifying a selected software application which specifies ~~transferring a selection~~ ~~specifying~~ whether ~~the~~ said transferred software or ~~the~~ said currently running software will be loaded by said software-defined radio device during a restart of said software-defined radio device, ~~; and~~

~~loading~~ wherein ~~the~~ said selected software application is loaded to said software-defined radio device during a restart of said software-defined radio device.

2. (Canceled)

3. (Currently Amended) The method according to claim 1, further comprising ~~the step of~~ monitoring said transferring of said transferred software and monitoring ~~the~~ said loading of said selected software application ~~steps~~.

4-5. (Canceled)

6. (Currently Amended) The method according to claim 1, wherein said ~~selection~~ instruction identifies a software version.

7. (Currently Amended) The method according to claim 1, wherein said software- defined radio device comprises a plurality of software defined radio devices.

~~further comprising the steps of: transferring said transferred software to at least a second software-defined radio device; and consecutive with said loading step, loading said transferred software to said second software-defined radio device.~~

8. (Currently Amended) The method according to claim 1, further comprising ~~the step of providing~~ receiving an error indication ~~if~~ in response to a fault ~~is~~ being detected in at least one of said transferring of said transferred software ~~and~~ or said ~~the~~ loading of said selected software application ~~steps~~.

9. (Original) The method according to claim 1, wherein said transferred software comprises a plurality of software components.

10. (Currently Amended) The method according to claim 1, further comprising ~~the step of providing~~ receiving a version indicator ~~accessible~~ from ~~a remote location~~ said software- defined radio device, said version indicator identifying software which is currently loaded on said software-defined radio device.

11. (Currently Amended) The method according to claim 1, further comprising ~~the step of providing~~ receiving a software listing ~~accessible~~ from ~~a remote location~~ said software-defined radio device, said software listing identifying software currently available on said data store.

12. (Currently Amended) The method according to claim 1, wherein said ~~storing step comprises storing said~~ transferred software is stored to a second data store associated with said software-defined device.

13. (Original) The method according to claim 12, wherein said second data store is nonvolatile.

14. (Currently Amended) The method according to claim 1, wherein said ~~transferring step~~ transferring of said transferred software occurs ~~while~~ in response to said software-defined radio device ~~continues~~ continuing to perform software-defined radio functions.

15. (Currently Amended) The method according to claim 1, wherein said software server is a computer operatively connected to said software-defined radio device via a wireless communications network.

16. (Currently Amended) A method ~~for installing software to software-defined radio equipment~~ comprising ~~the steps of~~:

receiving, via radio frequency (RF) communication directly from a software server, ~~to~~ transferred software at a software-defined radio device ~~software from a software server~~, said software server remotely located with respect to said software-defined radio device;

storing said transferred software to ~~a~~ at least a portion of a data store associated with said software- defined radio device~~, said portion of said data store not being used as a storage for currently running software~~;

~~specify whether the said transferred software or the a currently running software will be loaded~~;

receiving ~~to said software-defined radio device~~, via radio frequency (RF) communication directly from said software server, ~~a selection~~ an instruction at said software- defined radio device identifying a selected software application specifying whether ~~the~~ said transferred software or ~~the~~ said currently running software will be loaded by said software-defined radio device during a restart of said software-defined radio device;

responsive to a restart instruction, restarting said software- defined radio and loading ~~the~~ said selected software application; and

verifying said selected software application is loaded successfully ~~loading step~~.

17. (Currently Amended) The method according to claim 16, further comprising ~~the step of~~ automatically reverting from ~~the~~ said selected software application to a previous software version ~~upon~~ in response to a fault being detected in said loading step.

18. (Currently Amended) The method according to claim [[16]] 17, further comprising ~~the step of~~ providing an error indication ~~upon~~ in response to said fault detection.

19. (Currently Amended) The method according to claim 16, further comprising ~~the steps of~~: monitoring said receiving transferred software step; and

providing an error indication ~~if~~ in response to a fault ~~is~~ being detected in said receiving transferred

software step.

20. (Currently Amended) The method according to claim 16, further comprising ~~the step of~~ providing a version indicator ~~accessible~~ to a remote location, said version indicator identifying software which is currently loaded on said software-defined radio device.

21. (Currently Amended) The method according to claim 16, wherein said ~~selection~~ selected software application identifies a software version.

22. (Currently Amended) The method according to claim 16, further comprising ~~the step of~~ providing a software listing ~~which is accessible from~~ to a remote location, said software listing identifying software currently available on said data store.

23. (Currently Amended) The method according to claim 16, wherein ~~said~~ storing ~~step~~ comprises storing said transferred software to a second data store associated with said software-defined device.

24. (Original) The method according to claim 23, wherein said second data store is nonvolatile.

25. (Currently Amended) The method according to claim 16, further comprising ~~the step~~ in response to receipt of said transferred software, ~~of~~ decompressing said transferred software ~~after said receiving step~~.

26. (Currently Amended) The method according to claim 16, wherein ~~said~~ receiving ~~step~~ said transferred software occurs while said software-defined radio device continues to perform software-defined radio functions.

27. (Currently Amended) A ~~system for installing software to~~ software-defined radio device ~~equipment~~ comprising:

an RF communications interface configured to receive transferred software and an instruction directly from a software server ~~for transferring software to a software-defined radio device from a location~~ remotely located with respect to ~~said~~ a software-defined radio device, wherein said software server comprises a man-machine interface ~~associated with said software server~~ for receiving from a

system operator said instruction comprising a selected software ~~a selection~~ specifying whether ~~the~~ said transferred software or ~~the~~ said currently running software will be loaded at a ~~next startup~~ restart of said software-defined radio device;

a data store associated with said software-defined radio device ~~for storing~~ configured to store said transferred software~~, said software stored~~ on at least a portion of said data store ~~which is not being used to provide currently running software~~; and

a processor programmed to:

load ~~the~~ said selected software to said software-defined radio device during ~~a~~ said restart of said software defined radio device; and

automatically revert from ~~the~~ said selected software to a previous software version ~~if~~ responsive to a fault ~~occurs~~ in said loading of said selected software.

28. (Currently Amended) The ~~system~~ device according to claim 27, wherein said processor is further programmed to determine that said software and said instruction are received successfully and to determine that said selected software is loaded successfully ~~monitor said transferring of said software, and loading of said selected software~~.

29. (Canceled)

30. (Currently Amended) The ~~system~~ device according to claim 27, wherein said processor is further programmed to decompress said transferred software, and wherein said software server further comprises a compression application for compressing said software prior to said software being transferred.

31. (Currently Amended) The ~~system~~ device according to claim 27, wherein said transferred software comprises a plurality of software components.

32. (Currently Amended) The ~~system~~ device according to claim 27, wherein said RF communications interface is further configured to transmit a version indicator ~~and said man-machine interface further comprises a said version indicator, said version indicator~~ identifying software which is currently loaded on said software-defined radio device to said software server.

33. (Currently Amended) The ~~system~~ device according to claim 27, wherein said RF communications interface is further configured to transmit ~~said man-machine interface provides~~ a software listing identifying software currently available on said data store to said software server.

34. (Currently Amended) The ~~system~~ device according to claim 27, further comprising a second data store associated with said software-defined device ~~for storing~~ configured to store said transferred software.

35. (Currently Amended) The ~~system~~ device according to claim 34, wherein said second data store is nonvolatile.

36. (Currently Amended) The ~~system~~ device according to claim 27, wherein said software is ~~transferred to~~ received from said ~~software-defined radio device~~ software server while said software-defined radio device continues to perform software-defined radio functions.

37-38. (Canceled)

39. (New) A computer-readable medium having stored thereon a plurality of instructions, said plurality of instructions comprising:

instructions to receive, via radio frequency (RF) communication direct from a software server, transferred software at a software-defined radio device said software server remotely located with respect to said software-defined radio device;

instructions to store said transferred software to at least a portion of a data store associated with said software-defined radio device;

instructions to receive via radio frequency (RF) communication direct from a software server an identification of a selected software application specifying whether said transferred software or said currently running software will be loaded by said software-defined radio device during a restart of said software-defined radio device;

instructions to restart said software-defined radio and load said selected software, responsive to a restart instruction; and

instructions to verify said selected software application is loaded successfully.